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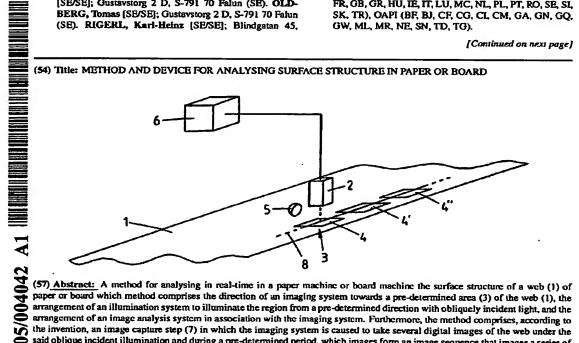
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the invention, an image capture step (7) in which the imaging system is caused to take several digital images of the web under the said oblique incident illumination and during a pre-determined period, which images form an image sequence that images a series of surface sections (4, 4', 4") along a band (8) in the web (1), and an evaluation step (9) that is carried out by the image analysis system and which comprises an image analysis step (11), which in turn comprises a first analysis operation (16) in which the variance of the pixel values in each pixel row in each image in the image sequence is determined within a pre-determined wavelength band, and a second analysis operation (17) in which the mean value of the variances of all pixel rows of all images in the image sequence is calculated. The invention also concerns a device for the execution of the method.